

## Garrett Beatty

beattyg2@tcnj.edu  
856-905-6074

gbeatty.com  
github.com/GarrettBeatty  
linkedin.com/in/garrett-beatty

## Education

- **The College of New Jersey** Ewing, NJ  
*Bachelor of Science in Computer Science* Aug. 2015 - May 2019

## Work Experience

- **Lockheed Martin** Moorestown, NJ  
*Software Engineering Intern* Jun. 2018 - Aug. 2018
- **The College of New Jersey** Ewing, NJ  
*Student Researcher - Machine Learning* Jan. 2017 - Dec. 2017
  - Designed a machine learning infrastructure with a team of 5 students and faculty in Python using machine learning and statistical analysis libraries such as scikit-learn, numpy, pandas, and matplotlib.
  - Improved the speed of the infrastructure by 95% by adding support for parallel processing on the High Performance Cluster (HPC).
  - Researched and integrated active learning stopping methods into a machine learning infrastructure in order to reduce annotation cost within the Natural Language Processing (NLP) field.
- **Comcast** Philadelphia, PA  
*Software Engineering Intern* Jun. 2016 - Aug. 2016
  - Increased the efficiency of the Quality Assurance team by creating a Node.js application that automatically generates unit testing reports, which can be filtered by date, device type, operating system, etc.
  - Collaborated with another intern to create a web application in C#, HTML, and Javascript that connects to an SQL database to retrieve customer session information.

## Projects

- **Android Application - “arXiv eXplorer”**  
*arxiv.gbeatty.com*
  - Published an Android application with over 200 downloads that allows users to browse, search, and download scientific papers from arxiv.org.
  - Java, Butterknife, OkHttp, Sugar ORM, arXiv API, Travis CI, Fastlane
- **Google Photos Location Visualizer**  
*googlephotosmapplotter.gbeatty.com*
  - Created a web application that allows users to visualize their photos on Google Maps based on their geo-location metadata.
  - Python, Flask, Google Maps API, Google Picasa API

## Skills

- **Proficient:** Python, Java
- **Past Experience:** C, C++, C#, SQL, Ruby, PHP, Javascript, Node.js, Perl, MATLAB
- **Tools:** Git, SLURM, Linux/UNIX, Jenkins, Travis CI, Fastlane

## Publications

“Impact of Batch Size on Stopping Active Learning for Text Classification”, *Proceedings of the 2018 IEEE 12th International Conference on Semantic Computing (ICSC), Laguna Hills, CA, 2018.*

## Activities

- **Co-Founder/Vice President:** TCNJ Table Tennis Club
- **Member:** TCNJ Association for Computing Machinery
- **Member:** TCNJ Chess Club

## Second Languages

- **3 Semesters:** American Sign Language